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Attorney Docket Number

SUPPLEMENTAL INFORMATION
DISCLOSURE
STATEMENT BY APPLICANT

of

(use as many sheets as necessary)

Sheet

 Complete if Known

 Application Number
 10/540,940

 Filing Date
 June 23, 2005

 First Named Inventor
 Boaz RAN et al.

 Art Unit
 2886

 Examiner Name
 Michael Patrick STAFIRA

U.S. PATENT DOCUMENTS									
Examiner Initials*	Cite No. 1	Document Number	Publication Date DD-MMM-YYYY	Name of Palentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear				
		Number-Kind Code ^{2 ((I kpeum)}							
/M.S./	1	US-2002/0117517	02-Aug-2002	Unger et al.					
ğ	2	US-5,313,264	17-May-1994	Ivarsson et al.					
900000	3	US-5,633,724	27-May-1997	King et al.					
90000	4	US-5,907,408	25-May-1999	Naya et al.					
	5	US-5,917,607	29-Jun-1999	Naya					
000	6	US-5,917,608	29-Jun-1999	Naya et al.					
	7_	US-5,926,284	20-Jul-1999	Naya et al.					
99900	8	US-6,008,893	28-Dec-1999	Roos et al.					
	9	US-6,268,125	31-Jul-2001	Perkins					
00000	10	US-6,326,612	04-Dec-2001	Elkind et al.					
00000	11	US-6,404,492	11-Jun-2002	Xu et al.					
99900	12	US-6,424,418	23-Jul-2002	Kawabata et al.					
	13	US-6,570,657	27-May-2003	Hoppe et al.					
	14	US-6,600,563	29-Jul-2003	Bahatt et al.					
	15	US-6,692,974	17-Feb-2004	Perkins					
999	16	US-6,801,317	05-Oct-2004	Hofmann					
00000	17	US-6,873,417	29-Mar-2005	Bahatt et al.					
/M.S./	18	US-7,251,085	31-Jul-2007	Bahatt et al.					

			FOREIGN PATE	NT DOCUMENTS			
Examiner Initials*	Cite No. ¹	Foreign Patent Documents Country Code ³ Number ⁴ Kind Code ⁵ (If known)	Publication Date DD-MMM-YYYY	Name of Patentee Applicant of Cited Do	or u	Pages, Columns, Lines, There Relevant Passages Relevant Figures Appear	L _e
/M.S./	19	JP 03-064313	12-Jul-2000	Sjödin			
	20	JP 03-294605	24-Jun-2002	Sjödin			
9	21	EP 0341928	15-Nov-1989	Finlan et al.			
9000	22	EP 0442921	28-Aug-1991	Ivarsson et al.			
	23	EP 0867697	30-Sep-1998	Xu et al.			
	24	JP 09-126888	16-May-1997	Jiyo et al.			
	25	JP 09-292332	11-Nov-1997	Naya			
	26	JP 09-292333	11-Nov-1997	Naya			
	27	EP 0938661	01-Sep-1999	Perkins			
	28	EP 1068511	17-Jan-2001	Hoppe et al.			
7M.S.7	29	JP 11-037929	12-Feb-1999	Yasunaka et al.			
xaminer Signatur	e	/Michael Stafira	a/	Date Consid	dered	05/26/200	8

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Substitute for form 4.450A/DTO				Complete if Known						
Substitute for form 1448A/PTO						Application Number		10/540,940		
SUPPLEMENTAL INFORMATION						Ŋ	Filing Date		June 23, 2005	
DISCLOSURE STATEMENT BY APPLICANT				First Named Inventor		Boaz RAN et al.				
					Art Unit		2886			
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					FOREIGN	N PAT	ENT DOC	UMENTS		
Bxaminer Cite Initials No. 1			Foreign Patent Documents Country Code ³ - Number ⁴ - Kind Code ³ (if known)		Publication Date		Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T*	
//	vi.S	/30	JP 2001-504582		Code (It ktiowi)	03-6	Apr-2001	Perkins	† •	
, , ,	¥1. O	31	JP 2001-526386	_			Dec-2001	Bahatt et al.	<u> </u>	
		32	JP 2002-540405		· · · · · · · · · · · · · · · · · · ·		Nov-2002	Roos et al.		
		33	AU 742417				an-2002	Ivarsson		
		34	PCT WO 00/224	119		20-4	\pr-2000	Hoppe et al.		
		35			22-N	/lar-2001	Lipson et al.			
		36	1		15-1	Nov-2001	Hofmann			
		37	PCT WO 02/05:	5993		18-J	ul-2002	Heaton et al.		
		38	PCT WO 02/063349		15-4	Aug-2002	Saaski			
	00000	39			10-N	May-2002	Hansson et al.			
	00000	40			15-J	ul-2004	Ran et al.			
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	41	PCT WO 90/053			17-N	May-1990	Sjödin		
		42	PCT WO 98/22				vlay-1998	Perkins		
		43	PCT WO 98/57				Dec-1998	Nikitin et al.		
/M	.S./	44	PCT WO 99/30	135		17-J	un-1999	Bahatt et al.		
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Substitute for form 1449A/PTO				Application Number			
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				Group Art Unit	2886	-	
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Initials	No.	volume-issue	T ²				
/M.S./	45			Plasmon Resonance",		"	
		http://www.uksaf.or					
8	46	??? "BIAcore Surfa	ce Plasmon Reson	nance (SPR)", 3 P., 20	02.		
		http://www.astbury.	leeds.ac.uk/Facil/	spr.htm			
	47	Berger et al. "Surfac	e Plasmon Propa	gation Near An Index	Step", MESA		
QQQQQ	ļ			versity of Twente, P.1-			
		http:/lps.ens.fr/~ber					
	48	Berger et al. "Surfac	Berger et al. "Surface Plasmon Resonance Multisensing", Analytical				
		Chemistry, 70(4): 7	03-706, 1998.				
	49	Grigorenko et al. "I	Dark-Field Surface	e Plasmon Resonance l	Microscopy",		
80		Optics Communicat	ions, 174: 151-15	55, 2000.			
	50 Grigorenko et al. "Phase Jumps and Ir				Plasmon		
Resonance Imaging", Applied Physics 51 Herminghaus et al. "Phase Contrast Su				s Letters, 75(25): 3917	7-3919, 1999.		
				Surface Mode Resonan	се Містоѕсору",		
		Quantum Electronic					
	52	Homola et al. "Surf					
		Actuators, B 54: 3-					
9	53	Kabashin et al. "Int					
		Sensor Applications					
	54	Kabashin et al. "Pha					
		Resonance Biosens					
	55	Kabashin et al. "Su					
		With Phase-Polaris					
		1999.					
90000	56			sonance Interferometer			
	1			cations, 150: 5-8, 1998			
900000	57			a Surface-Plasmon Re			
	Ì		or Applications", (Quantum Electronics, \	Vol. 28(5): 444-		
		448, 1998.					
	58			Angular Dependence			
00000		Radiation Phase Un					
				tronics, 28(9): 835-839			
/M.S	./ 59			ce Plasmon Resonance , 1991. P.79, Col.2, Pa			
Examiner	/!	Michael Stafira/	-		Date	UE/06/0000	
Signature	/'	viionasi Otama/			Considered	05/26/2008	

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Complete if Known Substitute for form 1449A/PTO Application Number 10/540,940 INFORMATION DISCLOSURE Filing Date June 23, 2005 STATEMENT BY APPLICANT First Named Inventor Boaz RAN et al. Art Unit (use as many sheets as necessary) 2886 Examiner Name Michael Patrick STAFIRA Attorney Docket Number 36317 Sheet Of OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS Exumine Cite Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the Initials* No. item (book, magazine, journal, serial symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published. 60 Nikitin et al. "Surface Plasmon Resonance Interferometry for Biological and /M.S./ Chemical Sensing", Sensors and Actuators, B 54: 43-50, 1999. 61 Nikitin et al. "Surface Plasmon Resonance Interferometry for Micro-Array Biosensing", Eurosensors XIII, The 13th European Conference on Solid-State Transducers, The Hague, NL, Optical Techniques in (Bio)Chemical Systems, 5A4: /M.S./ 235-238, 1999. 62 Notcovich et al. "Surface Plasmon Resonance Phase Imaging", Applied Physics /M.S./ Letters, 76(13): 1665-1667, 2000. 63 Teng et al. "Simple Reflection Technique for Measuring the Electro-Optic /M.S./ Coefficient of Poled Polymers", Applied Physics Letters, 56 (18): 1734-1736, 64 Totzeck et al. "Phase - Shifting Polarization Interferometry for Microstructure /M.S./ Linewidth Measurement", Optic Letters, 24(5): 294-296, 1999.

Examiner		Date	
Signature	/Michael Stafira/	Considered	05/26/2008

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